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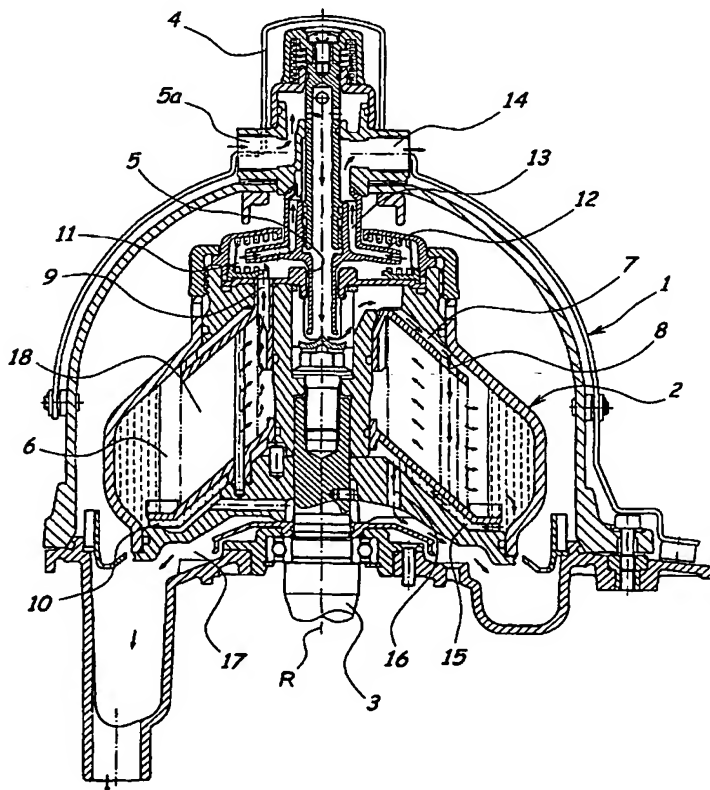
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(54) Title: A METHOD OF PURIFYING CONTAMINATED OIL FROM PARTICLES SUSPENDED IN THE OIL IN A CENTRIFUGAL SEPARATOR



(57) Abstract: For purifying contaminated oil from particles suspended in the oil by means of a centrifugal separator a liquid separation aid is used having a density higher than that of the oil. The liquid separation aid attracts/binds the contaminating particles. The contaminated oil is supplied to a separation chamber of a rotating centrifugal rotor. Purified oil is discharged through a central light phase outlet of the separation chamber, and the liquid separation aid and the separated particles are discharged through a heavy phase outlet of the separation chamber, situated radially outside of said central light phase outlet. According to the invention the purification is carried through in such a way that a starting liquid, heavier than the oil and insoluble therein, is supplied to the separation chamber in an amount such that a layer of the starting liquid forms a liquid seal in the rotating centrifugal rotor, covering said heavy phase outlet. Only after this, contaminated oil and the liquid separation aid are supplied to the separation chamber. While purified oil leaves the separation chamber through said light phase outlet, at least part of the starting liquid and the liquid separation aid together with particles, separated from the oil, are discharged through the heavy phase outlet.